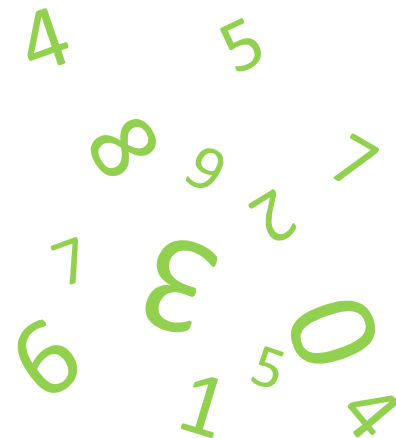# Data Quality Review (DQR) Data Verification and System Assessment Workshop

Session 5

Data Verification at Health Facility Level – Recounting the Value of the Indicator from Source Documents – DTP 3

World Health Organization

USAID FROM THE AMERICAN PEOPLE

MEASURE Evaluation

The Global Fund

Learning Objective

To master the process of recounting the indicator at the health facility.   Specifically, by the end of the session you should be able to;

- Know the definition of the indicator 3rd dose DTP-containing vaccine, i.e. DTP 3.
- Be familiar with data collection and reporting tools used to record service delivery for DTP 3.
- Understand standard protocols for aggregating DTP 3 at health facilities.
- Understand where to begin and end counting on the Immunization tally sheets (or register) depending on the source document and selected reporting period.
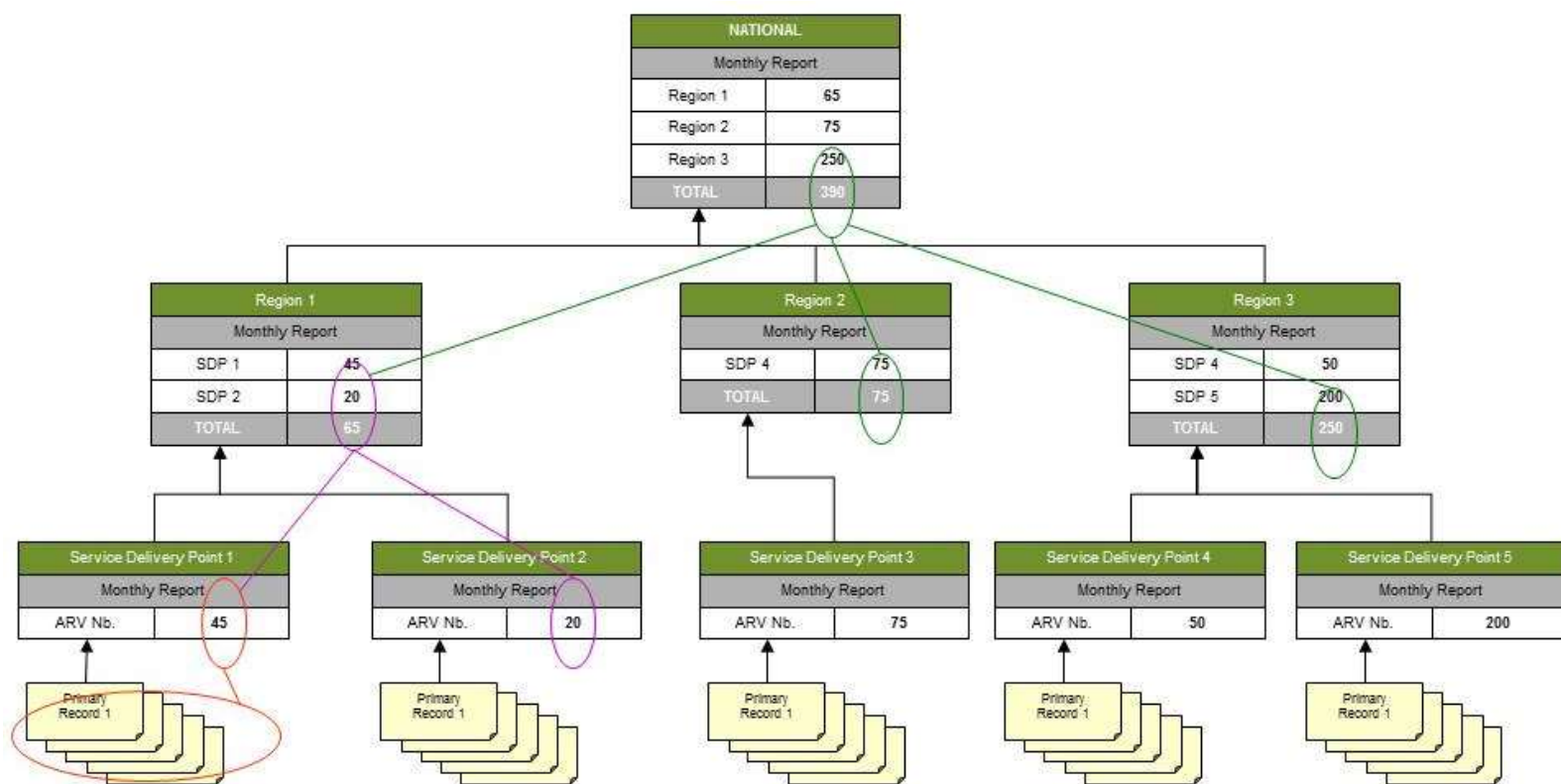- Understand and avoid common pitfalls in compilation of data for DTP 3.

SESSION 5

Recounting DTP 3

Data Verification Schema

SESSION 5

Recounting DTP 3

Verification of reporting

Source documents: facility registers (ANC, ART, OPD, TB) & immunization tally sheet

Data Verification

Data verification module

- Recommended maximum 5 indicators for review
  - ANC1, DTP3/Penta 3, ART coverage, TB cases, malaria cases (confirmed) (adapt to country implementation)
  - Add country indicator definitions
- Select a time period for the verification (3 months)
  - e.g. : January, February, March 2019
- For each indicator:
  - Documentation review
  - Recount the number of events
  - Reported number of events
  - Reasons for discrepancies

SESSION 5

Recounting DTP 3

AS2   need note to facilitators to update this based on what has been selected for the country
Ashley Sheffel, 12/9/2019

AS4   also should focus on the definition on the indicator being examined
Ashley Sheffel, 12/9/2019

D.B.1   Okay?
David Boone, 4/22/2020

SOURCE DOCUMENTS AND REPORTS DTP 3

- Immunization register or tally sheets for the 3 months selected for review

- HMIS or Program-specific facility monthly report for the 3 months selected for review

Source document DTP 3 – Child Register

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10) Dates Polio				(11) Dates DPT-HepB + Hib			(12) Dates PCV			(13) Dates Rota Virus		
Child No.	Name	Village and Parish	Sex	WT	Age	Date of Birth	Date BCG	PAB	0	1	2	3	1	2	3	1	2	3	1	2	3
	Child: Mother's Name: Father's Name:																				

- Check the months covered by the register.

- Find the columns for Date of Birth and for DPT-HepB+Hib

- Count the number of DPT 3 doses given in the month to children under 1 year of age.

Slide 6

AS3   need to add a slide on the common pitfalls in compilation of data for DTP3.
Ashley Sheffel, 12/9/2019

D.B.2   These are addressed on slide 12 - ok?
David Boone, 4/22/2020

Source document DTP3– Tally Sheet

Check dates:
- Month 1
- Month 2
- Month 3

Age of child should be UNDER ONE YEAR OF AGE

Source document DTP3– Tally Sheet

- Add the <u>male total</u> and <u>female total</u> to get the overall total

- Do this for each of the 3 months

- Indicator of interest is <u>DPT-HepB-Hib 3</u>

Recounting

SESSION 5

Recounting DTP 3

- Record the recounted values in the appropriate cells on the data collection form

REVIEW SOURCE DOCUMENTS FOR DTP3 (PENTA3) AND ANSWER THE FOLLOWING QUESTIONS				
DV_203	Please confirm the availability of the **main source document used for reporting of DTP3/Penta3** for Month1 to Month 3 . If available and information on **DTP3/Penta3** for children under 1 is recorded, please **recount** the number of **DTP3/Penta3** visits for children under 1for Month1 to Month3.	(A) SOURCE DOCUMENT AVAILABLE		(B) RECOUNT NUMBER OF DTP3/Penta3 FOR CHILDREN UNDER 1 IN SOURCE DOCUMENT
		YES, SOURCE DOCUMENT AVAILABLE WITH INFORMATION RECORDED FOR DTP3/Penta3*	NO, SOURCE DOCUMENT NOT AVAILABLE OR INFORMATION ON DTP3/Penta3 NOT RECORDED	
01	Month1	1 → B	2 ⌐ 02 ↵	
02	Month2	1 → B	2 ⌐ 03 ↵	
03	Month3	1 → B	2 ⌐ DV_204 ↵	

*Even if information is only partially filled (for example for a few days in the month, you would answer YES

Facility Monthly Report

- Locate the facility HMIS or Program-specific monthly report for the selected months
- Find the appropriate page of the monthly report – the one with the maternal health section.
- Find the cell for reporting DTP 3 and note the value. Repeat for the other months

THLY REPORT   Page 3

2.11 CHILD IMMUNISATION	Under 1		1-4 Years	
Doses	Male	Female	Male	Female
I1-BCG				
I2-Protection At Birth (PAB)				
I3-Polio 0				
I4-Polio 1				
I5-Polio 2				
I6-Polio 3				
I7-DPT-HepB+Hib 1				
I8-DPT-HepB+Hib 2				
I9-DPT-HepB+Hib 3				
I10-PCV 1				
I11-PCV 2				

- Add numbers for Male and Female Under 1 year
- Repeat for all 3 months

Reported Values

SESSION 5

Recounting DTP 3

- Record the reported values from monthly facility reports in the appropriate cells on the data collection form

Number	Question	Result				Skip
DV_204	Please confirm the availability of the **monthly report** form in which DTP3/Penta3 are recorded and sent to the district or next level administrative unit for Month1 to Month3. If available, please **record** the number of DTP3/PENTA3 for children under 1 entered in the **monthly report form** for Month1 to Month3.	(A) MONTHLY REPORT AVAILABLE				(B) RECORD NUMBER OF DTP3/PENTA3 FOR CHILDREN UNDER 1 IN MONTHLY REPORT
		YES, MONTHLY REPORT AVAILABLE WITH INFORMATION RECORDED FOR DTP3/PENTA3	YES, MONTHLY REPORT AVAILABLE BUT INFORMATION ON DTP3/PENTA3 NOT RECORDED	NO, MONTHLY REPORT NOT AVAILABLE		
01	Month1	1 → B	2 02 ↵	3 02 ↵		
02	Month2	1 → B	2 03 ↵	3 03 ↵		
03	Month3	1 → B	2 DV_205	3 DV_205		
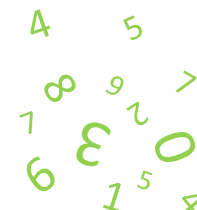
Potential Cross Checks

- Cross checks are verifications of service delivery across data sources which can help identify data quality problems.

- If time permits, the following cross checks can be conducted for DTP 3rd dose.

  - Compare children < 1 vaccinated with DTP in the immunization register for the period selected for review against the quantity of DTP vaccine used in the period according to vaccine stock management logs.

  - For a small sample of children visiting the facility for immunization services on the day of the assessment, compare the vaccinations recorded as given to the child in the immunization register to the record of vaccines given on the child-held vaccination card.

Keep in mind…

Supplemental vaccination and outreach

- Service delivery for vaccination also occurs during supplemental immunization activities (e.g. vaccination campaigns, national immunization days, etc.) – how are these doses recorded in source documents?

- Similarly, health facilities may schedule vaccination sessions in remote locations to expand coverage (outreach). How are vaccinations given during outreach activities recorded?

- These doses may not be included in facility registers or tally sheets but should also be counted.
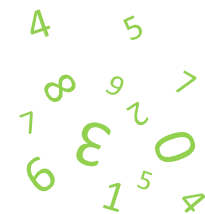
SESSION 5

Recounting DTP 3
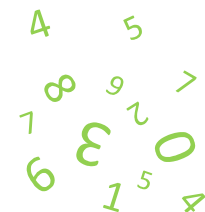
Questions

Questions:

- What is the source document for the indicator DTP-3 in your country?

- Discuss the differences between recounts of a client based register and a tally sheet.

- Discuss the effect of outreach on reported numbers for DTP-3. Are outreach vaccinations tallied with the facility results on the monthly report or are they reported separately?

Practice

Practice with example Immunization Registers/Tally Sheets

- Work in small groups to conduct the recount (2-4 participants, depending on the number of available registers).

- The facilitator will provide example registers for you to work with.

- Your instructor will give you the reporting period to be verified. With this you can begin counting the number of children < 1 vaccinated with a 3rd dose of DTP-containing vaccine.

- You have 60 mins.